

New York State Department of Transportation

Yellow Flag NB22CTW027

By: Rehan Afridi

Flag Date: August 09, 2022

Superseding Information:

No Flags Superseded

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.

Date: August 09, 2022 2:00:00 PM

Of: NYSDOT Region 11

Signature Information

Signature: Rehan Afridi, P.E. 075185

Date: August 12, 2022

Reviewed By: Robert Kemp

Date: August 12, 2022

Attachments: 7

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 240			
	113 - Steel Stringer	104	ft
	PR831 - Steel Beam End	42	each

Flagged Condition Description

This Yellow Flag No. NB22CTW027 is NEW.

Location: Span 240, Stringer S2 at Pier 240

Description: The right side connection angle at Stringer S2, Pier 240 exhibits a full height vertical crack (photo 5). In addition, the left side connection angle exhibits a vertical crack which extends from the bottom of the connection angle to 2" from the top (photo 7).

This is a NEW flag.

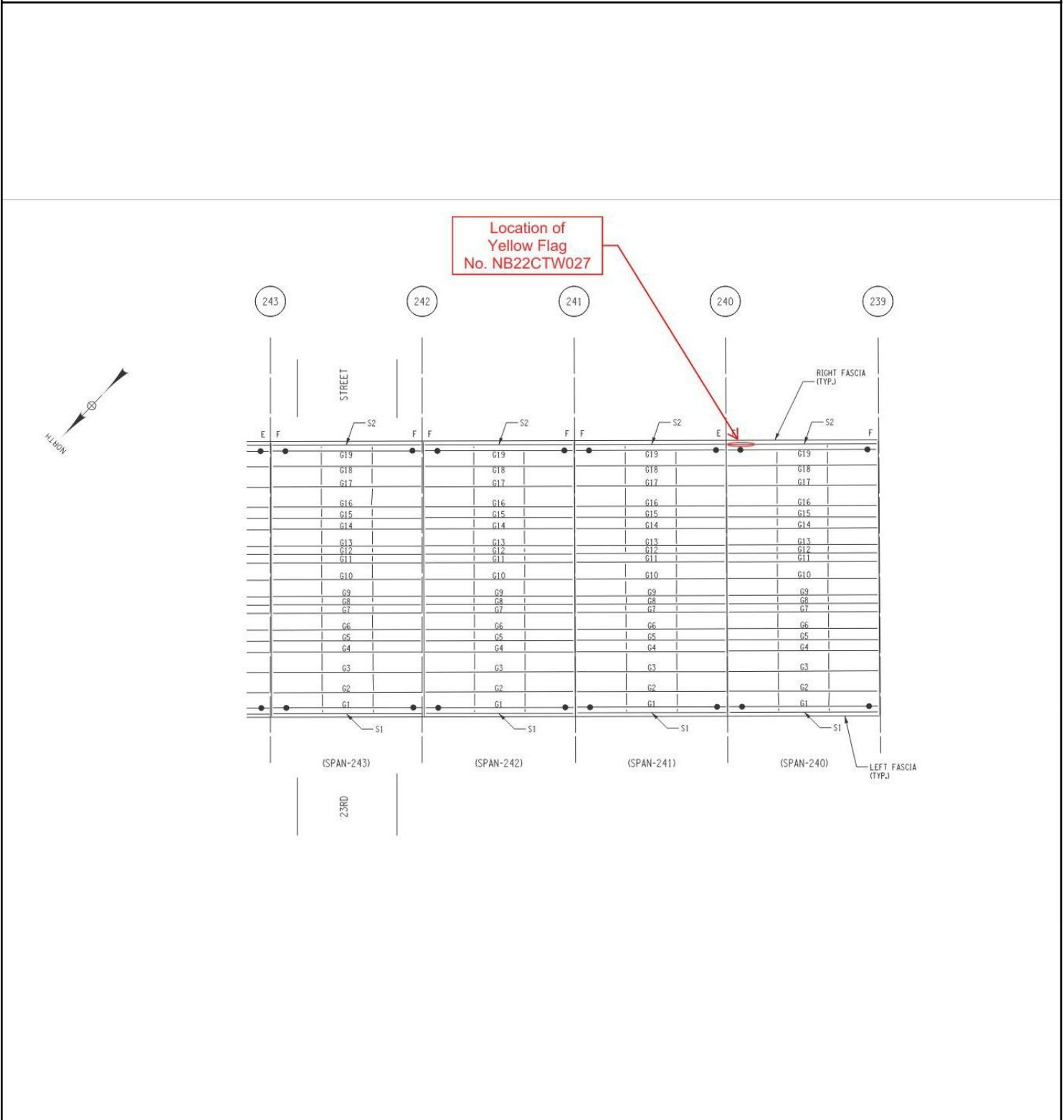
Notes:

- 1.Stringer S2 receives no direct live loading but supports the barrier/railing above on I278.
- 2.The adjacent Girder G19 (left side) spaced at 2'-0" center to center is in good to fair condition.
- 3.In the previous 2021 General (Biennial) Inspection Report, the CS3 Condition Note for this member stated: Stringer S2 beam end exhibits a full height broken right connection angle and 90% broken left connection angle.
- 4.A double left lane closure at 3rd Avenue Eastbound between 23rd and 24th Streets, and a 35' bucket truck are required to access this location.

Flag Photographs

Photo Number: 1

Photo Filename: Framing Plan.jpg



Attachment Description: Framing Plan - Span 240

Photo Number: 2

Photo Filename: Span 240 - S2 at P240_Sketch.jpg

Gowanus Expressway
2022 Biennial Inspection - Field Sketch

BIN: 1065318

Team: RA/MP

Date: 08/09/2022

Span: 240

Location: S2 @ Pier 240

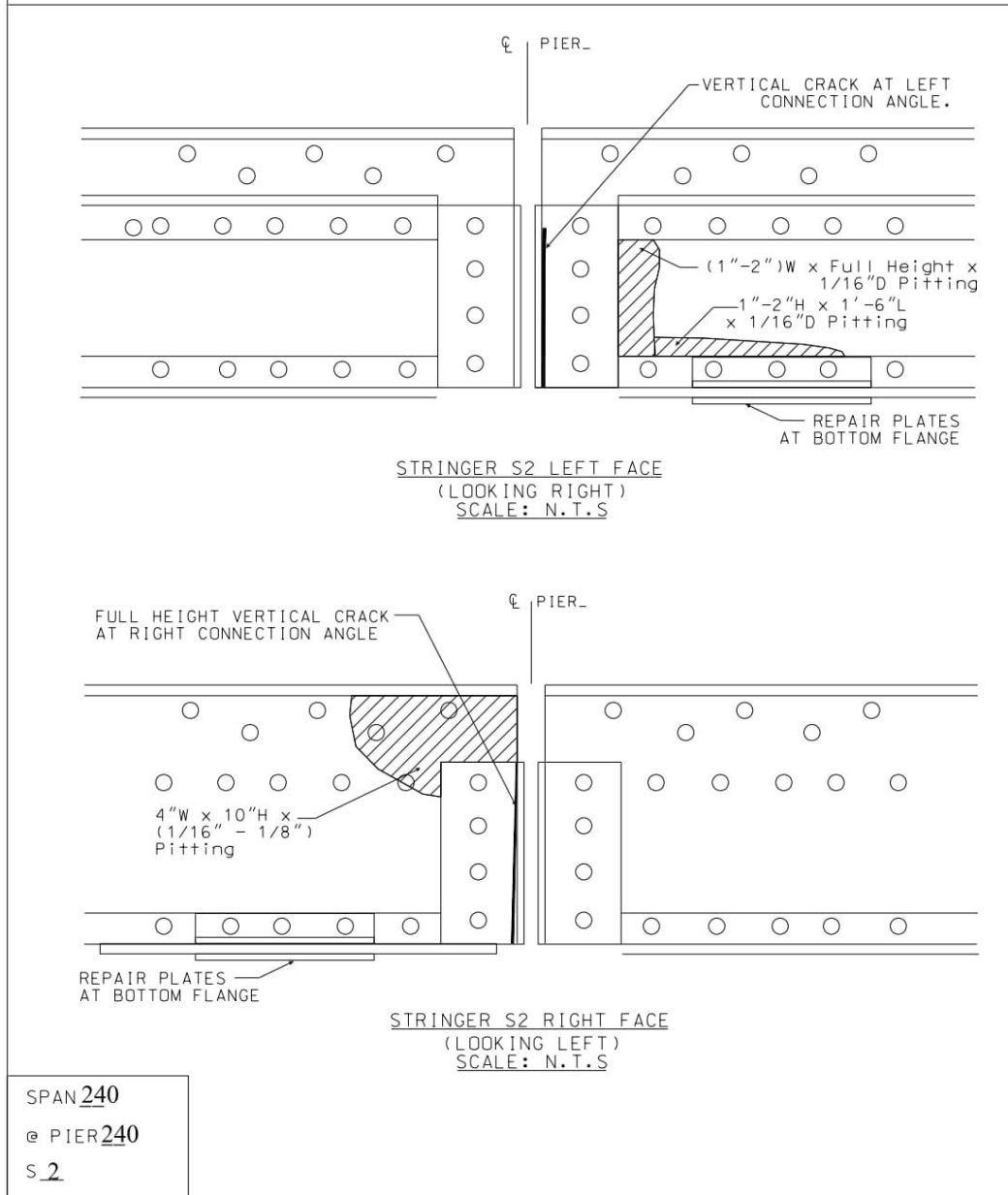
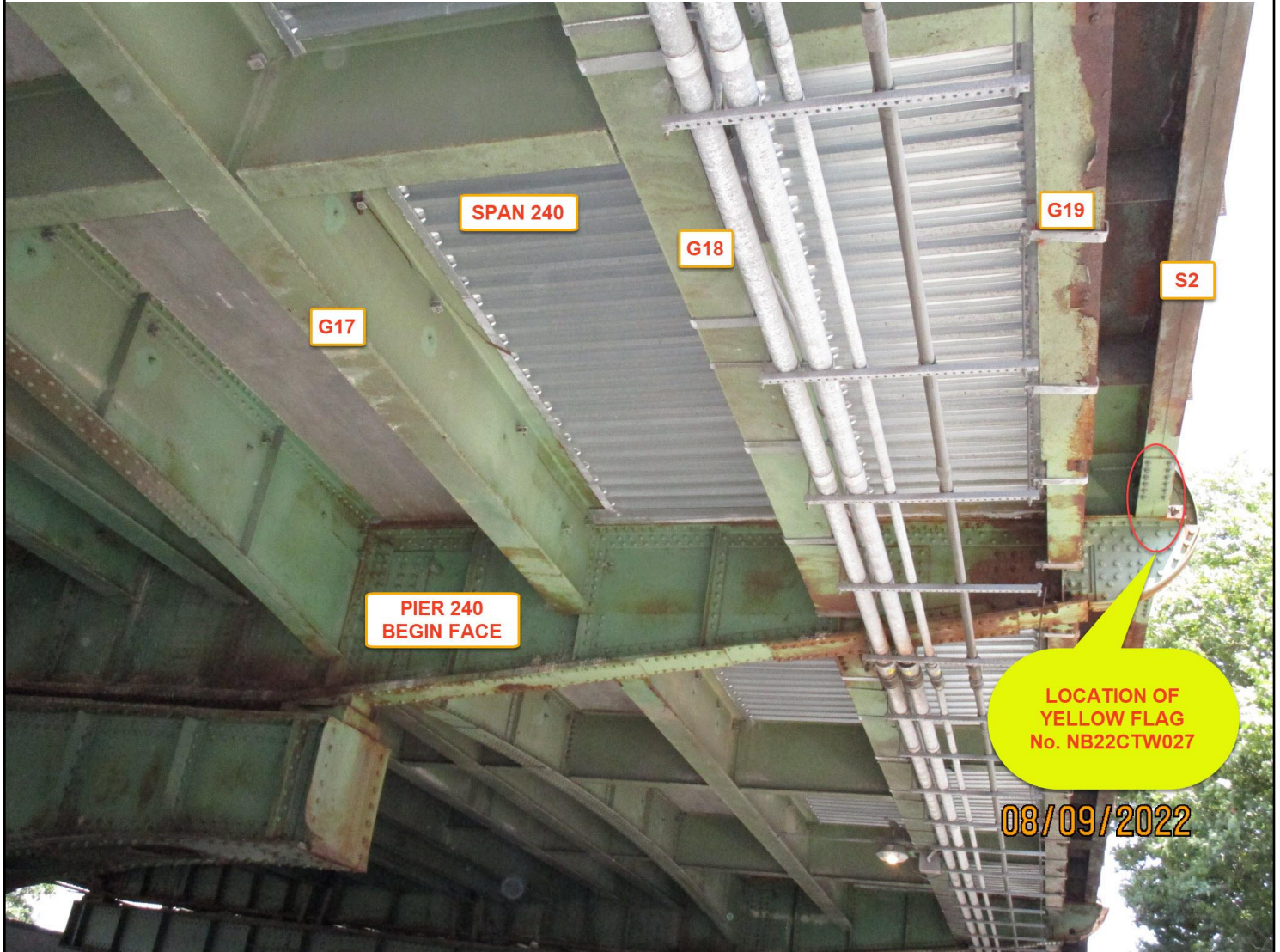
**Attachment Description: Yellow Flag Condition Sketch**

Photo Number: 3

Photo Filename: Photo 1-RA 672_3238.JPG



Attachment Description: General view of the flagged condition at Span 240 Stringer S2 at Pier 240. Looking End.

Photo Number: 4

Photo Filename: Photo 2-RA 672_3239.JPG



Attachment Description: Close up general view of the right side of Stringer S2 at Pier 240. Looking End Left.

Photo Number: 5

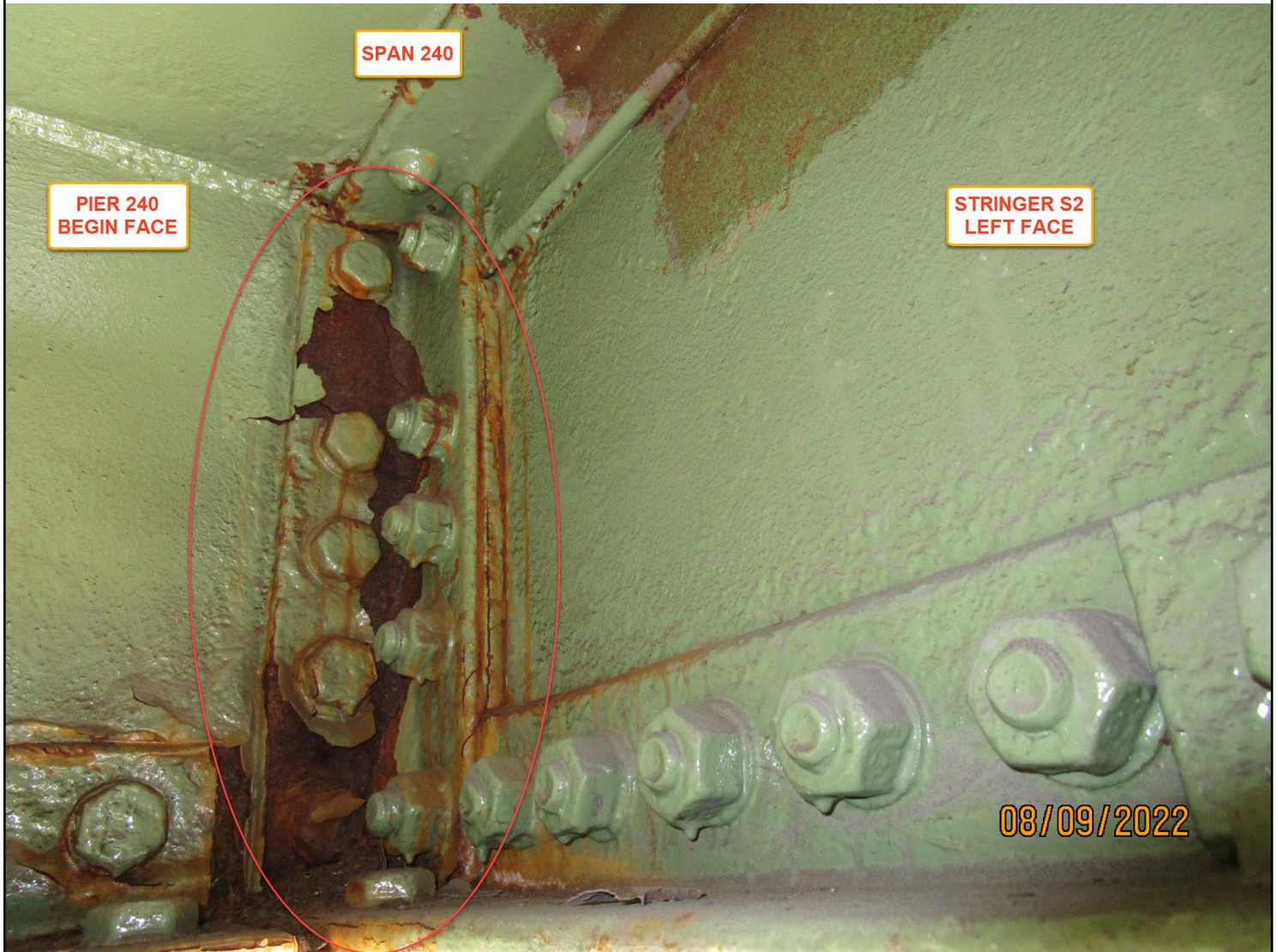
Photo Filename: Photo 3-RA 672_3242.JPG



Attachment Description: Close up view of the right side of Stringer S2 at Pier 240. The right side connection angle at Stringer S2, Pier 240 exhibits a full height vertical crack at the angle fillet. Looking End Left.

Photo Number: 6

Photo Filename: Photo 4-RA 672_3245.JPG



Attachment Description: Close up general view of the left side of Stringer S2 at Pier 240. Looking End Right.

Photo Number: 7

Photo Filename: Photo 5-RA 672_3248.JPG



Attachment Description: Close up view of the left side of Stringer S2 at Pier 240. The left side connection angle exhibits a vertical crack which extends from the bottom of the connection angle to 2" from the top. Looking End Right.